



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200

## Purchasing Receipts

PO No	Supplier	Line Item No	Ref No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Tc
PO039368	ACI001-VC	11	1	Net 30	M4130NR5.000	4130 Steel Round Bar 5.000": MATERIAL: AISI 4130N ROUND BAR AS PER MIL-S-6758 OR AMS 6348/6370/6528 receive ft				3	5/7/2018	3	S068810	Stock	5/4/2018	\$ 253.33 / ft	0	\$7		
										Total:	3	3							\$59	

Plex 5/4/2018 1:10 PM Dart.Dubois.Pascal



# CERTIFICATE OF TEST

# CERTIFICAT D'ESAI

Page 01 of 02

Certification Date  
1-MAY-2018

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

59416  
PART NUMBER/NUMÉRO DE PIÈCE

Invoice Number  
T378927

SOLD TO:  
VENDU À:

SHIP TO:  
EXPÉDIÉ À:

Description: 4130 HR NORM AQ BAR  
5 RD S/C 310" (36.0")  
HEAT: L9374

AMS 6348  
Line Total: 200.46 LB

ITEM: 507844

Specifications:

MIL S 6758 B  
AMS 6370(Exc HDNS) P  
AMS 2251 H  
EN 10204 3.1 04

AMS 2301 K  
ASTM A322 13  
AMS 2259 E

AMS 6348 D  
AMS S 6758 A  
AMS 2370 L

## CHEMICAL ANALYSIS

C	MN	P	S	SI	CR	NI	MO
0.30	0.56	0.008	0.004	0.25	0.97	0.12	0.22
CU	AL						
0.24	0.034						
C	MN	P	S	SI	CR	NI	MO
0.30	0.56	0.008	0.004	0.25	0.97	0.12	0.22
CU	AL						
0.24	0.034						

RCPT: R451186

COUNTRY OF ORIGIN : USA

## MECHANICAL PROPERTIES

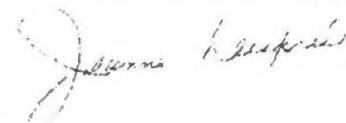
DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED IN AREA	HARDNESS BHN
					185

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériau couvert par ce rapport répondra aux spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont purifiables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériau couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

# CERTIFICATE OF TEST CERTIFICAT D'ESAIIS

Page 02 of 02

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

Certification Date  
1-MAY-2018

59416  
PART NUMBER/NUMÉRO DE PIÈCE

Invoice Number  
T378927

SOLD TO:  
VENDU À:

SHIP TO:  
EXPÉDIÉ À:

Description: 4130 HR NORM AQ BAR AMS 6348  
5 RD S/C 3'0" ( 36.0") Line Total: 200.46 LB  
HEAT: L9374 ITEM: 507844  
END-QUENCH HARDENABILITY (JOMINY - RC) IN  

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
49	49	49	46	43	39	37	35	33	32	31	30	30	29	29
16	18	20	22	24	26	28	32	36	40					
28	27	26	26	26	26	25	24	24	23					

GRAIN SIZE : 5

INGOT CAST VACUUM DEGASSED MATERIAL IS FREE FROM MERCURY CONTAMINATION  
NO WELD REPAIR PERFORMED ON MATERIAL  
DECARB: OK  
MACRO: OK  
AMS NO :2301  
SEVERITY :0.0  
FREQUENCY:0.0

## COMMENTS

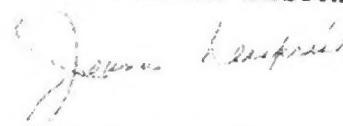
Complies with dfars 252.225-7008 and 7009  
formerly dfars 252.225-7014

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrits du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

\* The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**PURCHASE ORDER  
PO039368**

<b>Supplier:</b>	ACI001-VC Acer Ouellette Inc. 935 Boul. Du Havre Valleyfield QC J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696	<b>PO No:</b> PO039368 <b>PO Date:</b> 3/20/18 <b>Due Date:</b> 3/23/18 <b>Purchase Order Revision:</b> <b>Revision Date:</b> <b>Ship-To Contact:</b> Lavoie, Chantal Phone: clavoie@dartaero.com
<b>Ship To:</b>	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	<b>Via:</b> Ground <b>Pymt Terms:</b> Net 30 <b>Freight Terms:</b> <b>Special Comments:</b> QUOTE NO. SOU0092664

**Items**

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M6061T6S.040	6061-T6 .040 Sheet	: MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	3/23/18	32 sf	0 sf	32 sf	\$4.4757812/sf	\$143.22
2	M6061T6S.063	6061-T6 .063 Sheet	: MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	3/23/18	192 sf	0 sf	192 sf	\$5.6397916/sf	\$1,082.84
3	M6061T6S.080	6061-T6 .080 Sheet	: MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209 receive sf	Firmed	3/23/18	128 sf	0 sf	128 sf	\$7.1421093/sf	\$914.19
4	M6061T6S2.250X13.500	6061-T6 Sheet 2.250" Thick x 13.500" Wide	: MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209	Firmed	3/23/18	6 ft	0 ft	6 ft	\$209.70666/ft	\$1,258.24

3/20/2018

## PURCHASE ORDER

Line Item	Part	Supplier Part No	Items							
			Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
5	M6061T6S2.250X2.750	6061T6 Bar 2.250 X 2.750	Firmed 3/23/18	6 ft	0 ft	6 ft	\$111.52/ft	\$669.12		
		: MATERIAL: 6061-T6 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft PLATE ACCEPTABLE								
6	M2024T3S.040	2024-T3 .040 Sheet	Firmed 3/23/18	144 sf	0 sf	144 sf	\$5.8270833/sf	\$839.10		
		: MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209								
7	M2024T3S.080	2024-T3 .080 Sheet	Firmed 3/23/18	48 sf	0 sf	48 sf	\$11.809375/sf	\$566.85		
		: MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209 receive sf								
8	M304S20GA	304/316 .040 Sheet	Firmed 3/23/18	128 sf	0 sf	128 sf	\$3.9089375/sf	\$500.34		
		: MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf								
9	M304S16GA	304/316 Sheet .063	Firmed 3/23/18	96 sf	0 sf	96 sf	\$6.5086458/sf	\$624.83		
		: MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240 receive sf								
10	M304S18GA	304/316 .050 Sheet	Firmed 3/23/18	96 sf	0 sf	96 sf	\$5.375/sf	\$516.00		
		: MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240								
11	M4130NR5.000	4130 Steel Round Bar 5.000"	Firmed 3/28/18	3 ft	0 ft	3 ft	\$253.3333/ft	\$760.00		
		: MATERIAL: AISI 4130N ROUND BAR AS PER MIL-S-6758 OR AMS 6348/6370/6528 receive ft								

## Order Notes

Grand Total: \$7,874.74

**Order Notes****Procurement Quality Clauses**

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 3/20/18 2:52 PM *dart.lavoie.chantal*

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M4130NR5.000  
 DATE: MAY 04 2018

PO / BATCH NO. 039368/5068610

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 31  
 QUANTITY INSPECTED: 31  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 5.000  
 THICKNESS RECEIVED: 5.000  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	mit-s-6758
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	Heat # L9374
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>8-80</u> <u>MAY 04 2018</u>	DATE: _____

**Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in**



ONE COPY IS  
MADE

DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO.	REV. A SHEET 1 OF 1
DATE	02.04.19	TITLE	SCALE NTS
A	02.04.19	4130 ROUND BAR	NEW ISSUE

PURCHASE MATERIAL:

AISI 4130N ROUND BAR  
PER MIL-S-6758 OR AMS 6348/6370/6528

PART NUMBER: M4130N-RD.DDD WHERE D.DDD = DIAMETER IN INCHES

| DIA |

E.G. 7/8" ROUND BAR = M4130N-RD.875

RELEASED  
02.05.06 #

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